

Research Project Grants – March 2016

SCIENCES

Dr George Bassel

University of Birmingham

Evolution of cellular patterning in plants
£150,461

Dr Magnus Bebbington

Heriot-Watt University

From hydroamination to dipolar cycloaddition through dual-mode catalysis
£110,467

Dr David Belin

University of Cambridge

Mapping the neural circuit subserving interoceptive control over behaviour
£325,585

Professor Peter Beton

University of Nottingham

Flexibility and curvature in two-dimensional supramolecular arrays
£289,358

Professor Jeffrey Bowers

University of Bristol

When and why do neural networks learn selective codes?
£252,194

Dr Ralf Britz

Natural History Museum

Breaking the rules – development and evolution of extreme asymmetry and morphological novelty
£270,782

Dr Ian Davies

Liverpool John Moores University

New frontiers in lipoprotein analysis: Small molecules, big questions?
£127,026

Dr João Pedro de Magalhães

University of Liverpool

Data-driven discovery of correlations between genes and ageing-related changes
£304,873

Professor Gavin Foster

University of Southampton

The nature and consequences of historic and future ocean acidification; insights from boron isotopes in corals
£262,470

Professor Mark Fricker

University of Oxford

The third mode of life
£240,471

Professor Lorenzo Frigerio

University of Warwick

The cell biology of rubber biosynthesis – the endoplasmic reticulum connection
£178,467

Dr Elena Gheorghiu

University of Stirling

Elucidating the role of colour in shape processing in human vision
£130,595

Dr Nikitas Gidopoulos

Durham University

Progress in Kohn Sham electronic structure theory from a wave function approach
£184,351

Dr Matthew Grubb

King's College London

Linking functional and epigenetic plasticity at the single-neuron level
£212,234

Dr Scott Habershon

University of Warwick

Network organisation in biological photosynthesis
£104,642

Dr Simon Harvey

Canterbury Christ Church University

Nematode genetic variation and protein misfolding disease
£88,288

Dr Neal Hinvest

University of Bath

Elucidating the 'shared brain'
£127,111

Dr Wassim Jabi

Cardiff University

Enhancing the representation of architectural space in 3D modelling environments
£300,485

Dr Mateja Jamnik

University of Cambridge

ARD: accessible reasoning with diagrams
£383,728

Dr Paul Long

King's College London

Are endoparasitic cnidarians venomous animals? A pioneering study into an ancient lineage
£384,673

Dr Beau Lotto

University College London

Elucidating the computational principles of perceived colour illusions
£103,691

Dr Rebecca Melen

Cardiff University

Main group catalysis: chiral borenium cations
£173,742

Dr James Moore

Goldsmiths, University of London

Exploring intentionality biases in the analysis of human behaviour
£164,459

Professor Colin Murrell

University of East Anglia

The role of facultative methanotrophs in the cycling of natural gas
£196,819

Dr Rupert Oulton

Imperial College London

Quantum nano-plasmonics
£251,539

Dr Thomas Penfold

Newcastle University

Probing femtosecond dynamics with core hole spectroscopy: a theoretical approach
£146,559

Dr Andre Pires da Silva

University of Warwick

Gamete-mediated transmission of parental experience
£184,110

Professor Emmanuel Pothos

City University London

A quantum approach to decision making in Bernoulli's St. Petersburg's paradox
£111,895

Dr Clare Press

Birkbeck, University of London

The paradoxical influences of prediction on perception: do actions silence perception?
£205,756

Professor Mark Searle

University of Nottingham

Reading the ubiquitin barcode – new tools from next generation phage display
£171,572

Dr Marie Smith

Birkbeck, University of London

The social side of face perception: insights from atypical development

£177,298

Dr Vasilios Stavros

University of Warwick

Unravelling photoprotection pathways in plant sunscreens

£314,841

Dr Richard Stephenson

University of East Anglia

Asymmetric 'click'-synthesis of Helicenes

£166,029

Dr Naeem Syed

Canterbury Christ Church University

Understanding the epigenetics of alternative splicing in the plant clock genes

£268,307

Professor Steve Tipper

University of York

Harnessing the power of visuomotor fluency to encourage healthy choices

£266,328

Professor John Trinick

University of Leeds

Structure and function of 50 nm extracellular filaments in reproduction

£171,742

Professor Hendrik Ulbricht

University of Southampton

Non-interferometric test of the quantum superposition principle

£384,300

Dr Ben Webb

University of Nottingham

Timescales of multisensory recalibration in natural environments

£250,275

Dr Andrew Wright

University of St Andrews

Synthesis of real and virtual space weather data

£149,270

Dr Liming Ying

Imperial College London

Probing synaptic amyloid- β aggregation by redox reaction enabled super-resolution imaging

£331,179

Dr Igor Yurkevich

Aston University

Disorder-induced superconductivity in quasi-1D strongly correlated materials.

£213,919

Dr Eli Zysman-Colman

University of St Andrews

Blue-emitting TADF materials for OLEDs based on a Lewis acid-containing acceptor

£319,908

HUMANITIES

Professor Richard Evershed

University of Bristol

Peopling the green Sahara? A multi-proxy approach to reconstructing the ecological and demographic history of the Saharan Holocene

£393,421

Dr Richard Huzzey

University of Liverpool

Re-thinking petitions, parliament and people in the long nineteenth century

£367,072

Dr Richard Jones

University of Leicester

Flood and flow: place-names and the changing hydrology of river-systems

£375,816

Dr Robert Jones

University of Leeds

The political works of Richard Brinsley Sheridan

£272,621

Dr Simon Lewis

Queen Mary, University of London

The Breckland Palaeolithic project: culture, technology and evolving humans

£255,147

Dr Jamie Medhurst

Aberystwyth University

A decade of change: television and society in Wales in the 1970s

£113,813

Dr David Petts

Durham University

Landscape archaeology of the Great Depression in northern England

£255,085

Professor Tim Rood

University of Oxford

Anachronism and antiquity

£303,249

Dr James Ross

University of Winchester

Kingship, court and society at the dawn of the modern age: the chamber books of Henry VII and Henry VIII, 1485–1521

£200,932

Professor Peter Rowley-Conwy

Durham University

Maximising milk yield in early Neolithic cattle farming: stable isotopic analyses and the origins and spread of breeding cycle manipulation across Europe

£189,116

Dr George Tsoulas

University of York

Plural mass nouns as a window to linguistic variation

£134,267

Dr Keith Wilkinson

University of Winchester

A high-resolution chronology for early humans in the Southern Caucasus

£387,792

SOCIAL SCIENCES

Professor Vera Kempe

Abertay University

Literacy acquisition in situations of dialect exposure

£151,091